PTO/SB/05 (4/98)

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Title

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Attorney Docket No.

03-0937/L13.12-0257

## **PATENT APPLICATION** TRANSMITTAL

(Only for new non-provisional applications under 37 C.F.R. § 1.53(B))

First Inventor or Application Identifier Alexei V. Galatenko et al. PROCESS AND APPARATUS FOR PLACEMENT OF

MEGACELLS IN ICs DESIGN

| L  |   |   |   |  |                                  |  | Ехр               | ress Mail I      | .abel N   | o.          | EV24197                             | 9239US   |                        | •                             |                           |
|--|---|---|---|--|----------------------------------|--|-------------------|------------------|-----------|-------------|-------------------------------------|--|------------------------|-------------------------------|---------------------------|
|  | APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. |   |   |  |                                  |  |                   |                  | ress 7    | o:          | Commiss<br>P.O. Box                 | Patent Ap<br>ioner for P<br>1450<br>a, VA 2231 | atents                 | U.S. PT<br>9393               | 103                       |
| 1.   | X   |   |   | al Form e.g., F                            |                                  | sina)  |                   | 5.               |           | Microfic    | he Comp                             | uter Progra                                    | am <i>(Appen</i>       | dix) 🖫                        | 112                       |
| 2.   | X   | Specific                                | cation<br>d arrangen                          | •  | Total Sheets<br>low              | •,   | <b>21</b> ]       | <b>6</b> .       |           | Nucleoti    | ide and/or<br>cable, all n          | Amino Acid                                     | d Sequence             | Submission                    |                           |
|  |   |   | -   | ces to Relate                              | · ·                              | ns   |                   |                  | b.        |             |                                     | er Readabl                                     | e Copy<br>ical to com; | utor convi                    |                           |
|  |   | - Statem                                | nent Reç                                      | garding Fed s                              | ponsored R                       | & D  |                   |                  | c.        |             | i                                   |  |                        | above copies                  |                           |
|  |   | - Refere                                | ence to N                                     | /licrofiche App                            | endix                            |  |                   | J                |           | ACCON       |                                     |  | ATION PA               |                               |                           |
|  |   | - Backg                                 | round of                                      | the Invention                              |                                  |  |                   | 7.               | X         | Assin       | nment Par                           | ners (cover                                    | sheet & do             | cument(s))                    |                           |
|  |   | - Brief D                               | Description<br>ed Descr                       | of the Invent<br>on of the Drav<br>ription |                                  | d)   |                   | 8.               |           | 37 C.       | ·                                   | 3(b) Statem                                    | _                      | . , ,                         |                           |
|  |   | <ul><li>Claim(</li><li>Abstra</li></ul> |   | Disclosure                                 |                                  |  |                   | 9.               |           | Englis      | sh Transla                          | tion Docum                                     | nent                   |                               |                           |
| 3.   | X   |   |   | U.S.C. § 113)                              | [Tota                            | l Sheet:   | s <b>3</b> ]      | 10.              |           |             | nation Disc<br>ment (IDS            | closure<br>PTO – PT                            | D)                     | Copies of                     | IDS                       |
| 4.   | Oath  | or Decla                                | ıration                                       |  | [Total Shee                      | ets  | <b>3</b> <i>j</i> | 11.              |           | Prelin      | ninary Am                           | endment  | ,                      |                               |                           |
|  | a.  | X N                                     | ewly exe                                      | ecuted (origina                            | al or copy)                      |  |                   | 12.              | X         | Two F       | Return Red                          | eipt Postc                                     | ards (MPEP             | 503)                          |                           |
|  | b.  |   |   | n a prior applio<br>divisional with l      |                                  |  | § 1.63(d))        | 13.              |           | State       | II Entity C<br>ment(s)<br>SB/09-12) |  |                        | prior applicat<br>and desired | ion.                      |
|  |   | i.                                      |   | DELETION OF<br>Signed stater               |                                  |  | ing               | 14.              |           | Certif      | ied Copy o                          | of Priority D<br>y is claimed                  | ocument(s)             |                               |                           |
|  |   |   |   |  |                                  |  |                   | 15.              |           | Requ        | est and Ce                          | ert. Under 3                                   | 5 USC 122              | (Non-Pub)                     |                           |
|  | FEES, A SM  | IALL ENTIT                              | TY STATEM                                     | RDER TO BE ENT<br>MENT IS REQUIR.          | TITLED TO PAY<br>ED (37 C.F.R. § | SMALL<br>1.27), EX   | ENTITY            | 16.              | <b>X</b>  | Other       | : File I                            | Data Sheet                                     | ••••••                 |                               | į                         |
| 17   | lf a C  | CONTINU                                 | JING AP                                       | PLICATION                                  | check appr                       | opriate  | box, and su       | ply the rec      | uisite ii | nformatio   | n below an                          | d in a prelin                                  | ninary amen            | dment:                        |                           |
|  |   |   | tinuation                                     | ☐ Division                                 |                                  |  |                   |                  |           |             | ation No: _                         |  |                        | <del></del>                   |                           |
|  | FOR   |   |   | information:                               | E APPS onl                       | xamine   | r<br>entire discl | _<br>ocure of th | ao prio   | Grou        | up/Art Unit:                        | which on a                                     | oth or doal            |                               | اممالما                   |
|  | unde  | r Box 4b,                               | is consid                                     | lered a part of                            | the disclosu                     | ire of th  | ne accompa        | nying con        | tinuatio  | on or div   | isional ap                          | plication a                                    | nd is hereby           | incorporate                   | d by                      |
|  | reter   | ence. The                               | ncorpo  | ration can only                            | y de rellea u                    |  |                   |                  |           | ertently    | omitted fro                         | om the sub                                     | mitted appl            | cation parts.                 |                           |
|  |   | -                                       |   |  |                                  |  |                   |                  |           | 1           | <u>-</u>                            | =  |                        |                               |                           |
| Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here)  or X Correspondence address below |   |   |   |  |                                  |  |                   |                  |           |             |                                     |  |                        |                               |                           |
|  |   |   | Peters  |  |                                  |  |                   |                  |           |             |                                     |  |                        |                               |                           |
| Na   | Name LSI LOGIC CORPORATION  |   |   |  |                                  |  |                   |                  |           |             |                                     |  |                        |                               |                           |
|  | 1621 Barber Lane  |   |   |  |                                  |  |                   |                  |           |             |                                     |  |                        |                               |                           |
|  | Address M/S D-106 City Milpitas State   |   |   |  |                                  |  | CA                |                  |           | · · · · · · | ~ ~ .                               | 95035  |                        |                               |                           |
| Cil<br>Co  | y<br>untry  | USA                                     | <u>.                                     </u> | <del></del>                                |                                  | ### Application contents.  ### Application conte |                   |                  |           |             |                                     | Zip Code                                       | 35035                  |                               | —                         |
|  |   |   |   |  |                                  |  | порноне           |                  |           |             |                                     | Fax  | <del> </del>           |                               | $\boldsymbol{\leftarrow}$ |
|  | Name (Pr  | int/type)                               | 1 /   | ert M. Angu                                | 4                                |  |                   |                  | Reg       | stration N  | lo. (Attorne                        | //Agent)                                       | 24,383                 | 3                             | _]                        |
|  | Signature   |   |   |  |                                  |  | Date              | 11/21/           | 03        |             |                                     |  |                        |                               |                           |

|  |               | <del></del>  |               | <u> </u>   |  |          |   | Compl      | ete if Kno   | wn                                       |  |        |  |  |
|--|---------------|--------------|---------------|------------|--|----------|---|------------|--------------|--|--|--------|--|--|
| FEE TRANSMITTAL  |               |              |               |            |  |          | Applic                                  | ation N    | 0.           |  | -  |        |  |  |
|  |               |              |               |            |  |          |   | Date       |              | H  | Herewith   |        |  |  |
|  |               |              |               |            |  |          | First Named Inventor                    |            |              |  | Alexei V. Galatenko et al.   |        |  |  |
|  |               |              |               |            |  |          |   |            |              | F  | PROCESS AND APPARATUS FOR PLACEMENT OF MEGACELLS IN ICS                    |        |  |  |
|  |               |              |               |            |  |          |   |            | :4           |  | DESIGN   |        |  |  |
|  |               |              |               |            |  |          | Group Art Unit                          |            |              |  |  |        |  |  |
| Tatal A  |               | - f D        |               |            |  |          | Examiner Name                           |            |              |  | 03-0937/L13-12-0257  |        |  |  |
| Total Amount of Payment \$ 770   |               |              |               |            |  |          | Atty. Docket Number 03-0937/E13-12-0237 |            |              |  |  |        |  |  |
|  | ME            | THOD O       | F PAYI        | MENT (Ch   | neck One)                              |          |   |            |              | FEE                                      | CALCULATION (Continued)  |        |  |  |
|  |               |              |               |            | rge any additi                         |          | 3. ADI                                  | DITIONAL   | . FEES       |  |  |        |  |  |
| required under 37 C.F.R. § 1.16 and 1.17, including any petition fee, and credit any over payments to Deposit Account No. 12-2252. |               |              |               |            |  |          | Large<br>Fee                            | Entity Fee | Small<br>Fee | l Entity<br>Fee                          |  | -      |  |  |
| 2. 🔲 C   | Check En      | closed       |               |            |  |          | Code                                    | (\$)       | Code         | (\$)                                     | Pa   | id     |  |  |
|  |               |              |               |            |  |          | 1051                                    | 130        | 2051         | 6  | 5 Surcharge - Late filing fee or oath                                      |        |  |  |
|  | , <u>"</u>    | FEE          | E CALC        | ULATIO     | N                                      |          | 1052                                    | 50         | 2052         | 2  | 5 Surcharge - Late provisional<br>Filing Fee or cover sheet                |        |  |  |
| 1. BAS   | SIC FILI      | NG FEE       |               |            |  |          | 1053                                    | 130        | 1053         | 130                                      | Non-English specification  |        |  |  |
| Large Entity Small Entity  |               |              |               |            |  |          | 1812                                    | 2,520      | 1812         | 2,526                                    | <ul><li>For Filing a Request for Reexamination.<br/>(ex parte)</li></ul>   |        |  |  |
| Fee  | Fee           | Fee          | Fee           |            |  |          | 1251                                    | 110        | 2251         | 5  | 5 Extension for reply within first month                                   |        |  |  |
| Code   | <u>(\$)</u>   | <u>Code</u>  | (\$)          |            | escription                             |          | 1252                                    | 420        | 2252         | 210                                      | Extension for reply within second month                                    |        |  |  |
| 1001   | 770           | 2001         | 385           |            | lity Filing Fee                        | 1253     | 950                                     | 2253       | 47           | 5 Extension for reply within third month |  |        |  |  |
| 1002   | 340<br>770    | 2002         | 170           |            | ign Filing Fee                         |          | 1254                                    | 1,480      | 2254         | 740                                      | Extension for reply within fourth month                                    |        |  |  |
| 1004   | 160           | 2004         | 385           | Litera     | sue Filing Fe                          | е        | 1255                                    | 2,010      | 2255         | 1,00                                     | 5 Extension for reply within fifth month                                   |        |  |  |
| 1003   | 100           | 2003         | 80            | ' ∐Prov    | . Filing Fee                           |          | 1402                                    | 330        | 2402         | 16                                       | 5 Filing a brief in support of an appeal                                   |        |  |  |
| Subtotal (1) \$ 770  |               |              |               |            |  |          | 1403                                    | 290        | 2403         | 14                                       | 5 Request for oral hearing   |        |  |  |
| 2. EXTRA CLAIM FEES  |               |              |               |            |  |          | 1814                                    | 110        | 2814         | 5  | 5 Terminal Disclaimer Fee  |        |  |  |
|  | Numi<br>Claim | ns           | )r**          | Extra      | Fee from<br>Below                      | Fee Paid | 1452                                    | 110        | 2452         | 55                                       | 5 Petition to Revive - unavoidable   |        |  |  |
| Total  | 20            | 20           |               | 0          | 18                                     | 0        | 1453                                    | 1,330      | 2453         | 66                                       | 5 Petition to Revive - unintentional                                       |        |  |  |
| Indep.   | 3             | 3            |               | 0          | 86                                     | 0        | 1501                                    | 1,330      | 2501         | 66                                       | <li>Utility/Reissue issue fee (inc. advance copies)</li>                   |        |  |  |
| Multiple Dependent Claims  |               |              |               |            |  |          | 1502                                    | 480        | 2502         | 240                                      | Design issue fee (inc. advance copies)                                     |        |  |  |
| ** Insert 3 and 20, or number previously paid if greater; Reissue see below  Large Entity Small Entity                             |               |              |               |            |  | oelow    | 1460                                    | 130        | 1460         | 130                                      | Petitions to the Commissioner  |        |  |  |
| Fee<br>Code  | Fee<br>_(\$)  | Fee<br>Code  | Fee<br>_(\$)_ | Descriptio | n                                      |          | 1807                                    | 50         | 1807         | 50                                       | Petitions related to provisional applications                              |        |  |  |
| 1202<br>1201   | 18<br>86      | 2202<br>2201 | 9<br>43       | Independe  | excess of 20<br>ent claims in e        |          | 1806                                    | 180        | 1806         | 180                                      | Submission of Information Disclosure Statement                             |        |  |  |
| 1203<br>1204   | 290<br>86     | 2203<br>2204 | 145<br>43     | •          | ependent Clai<br>ndependent C<br>atent |          | 8021                                    | 40         | 8021         | 40                                       | Recording each patent assignment per property (times number of properties) |        |  |  |
| 1205 18 2205 9 Reissue claims in excess of 20 and over original patent   |               |              |               |            |  |          |   | ee (speci  | fy)          |  |  |        |  |  |
| Subtotal (2) \$ 0  |               |              |               |            |  |          |   | _          |              |  | Subtotal (   | (3) \$ |  |  |

Reg. No. 24,383

Signature Signature (Robert M. Angus)

Date Nov 21, 2003